

Converting Colors

CIELCh(84, 45.354, 184.530)

Have a look what the booklet for
CIELCh(84, 45.354, 184.530)
contains.

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Color

CIELCh(84, 45.117, 184.852)

Conversions

Conversions Part 1

Format	Color
Hex	46E8D7
RGB	70, 232, 215
RGB Percent	27%, 91%, 84%
CMY	0.7243, 0.0893, 0.1560
CMYK	0.70, 0.00, 0.07, 0.09
HSL	174°, 78%, 59%
HSV	174°, 70%, 91%
XYZ	43.7580, 64.0658, 74.4919
YIQ	181.6240, -91.0950, -39.6310

Conversions

Conversions Part 2

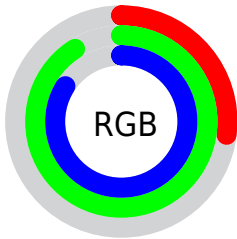
Format	Color
RYB	70, 155, 232
Decimal	4647127
CIELab	84.00, -44.96, -3.82
CIELCh	84, 45.117, 184.852
Yxy	64.0658, 0.2400, 0.3514
Android (android.graphics.Color)	4282837207 (0xFF46E8D7)
YUV	181.6240, 16.4544, -97.8942
Hunter-Lab	80.0411, -42.4870, 0.8493

Details

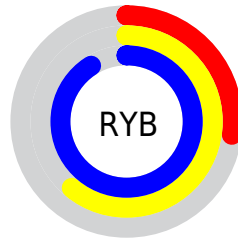
The CIELCh color **84, 45.117, 184.852** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **54, 68.356, 23.229**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.470, 197.301**, and **65, 41.249, 183.487** is the 20% darker color. If you saturate the color by 10%, you get **84, 48.204, 183.818**, and if you desaturate by 10%, it is **85, 41.017, 185.808**.

Distribution



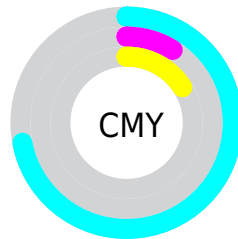
- Red (27%)
- Green (91%)
- Blue (84%)



- Red (27%)
- Yellow (61%)
- Blue (91%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)





- Cyan (72%)
- Magenta (9%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 45.117, 184.852 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 84, 45.117, 184.852 by changing the saturation by 10% instead.


 84, 45.117,
184.852


 84, 45.117,
184.852


 100, 45.117,
184.852


 74, 45.117,
184.852

 64, 45.117,
184.852

 54, 45.117,
184.852

 44, 45.117,
184.852

 34, 45.117,
184.852

 24, 45.117,
184.852

 14, 45.117,

184.852

■ 4, 45.117, 184.852

■ 0, 45.117, 184.852

■ 84, 45.117,
184.852

■ 84, 45.117,
184.852

■ 84, 48.204,
183.818

■ 85, 41.017,
185.808

■ 83, 50.316,
182.690

■ 85, 35.939,
186.709

■ 83, 51.635,
181.471

■ 86, 29.969,
187.570

■ 83, 51.668,
181.437

■ 88, 23.229,
188.404

■ 89, 15.856,

189.224

 90, 7.991, 190.053

 92, 0.234, 8.206

 94, 8.310, 11.023

 94, 8.571, 2.733

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



84, 45.117, 184.852



54, 68.356, 23.229

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84, 45.117, 184.852



84, 45.117, 234.852



84, 45.117, 4.852



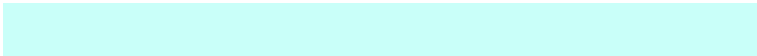
84, 45.117, 54.852

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



84, 45.117, 184.851



96, 18.149, 189.110



82, 92.897, 136.295



51, 12.193, 188.883



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84, 45.117, 184.851



91, 52.931, 183.300



66, 40.674, 256.690



48, 4.709, 190.075



66, 42.801, 181.650



19, 18.018, 183.622

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



54, 68.356, 23.229



55, 87.650, 29.313



65, 59.338, 55.817



46, 4.942, 11.471



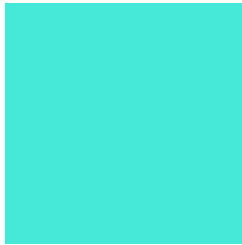
38, 76.390, 35.515



7, 28.137, 18.418

Previews

White Background



This preview shows how the CIE LCh color 84, 45.117, 184.852 looks on a white background.

Color Contrast Check

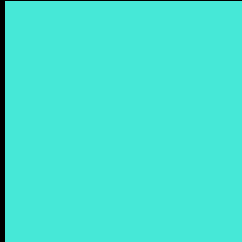
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 84, 45.117, 184.852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

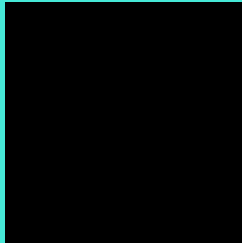
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

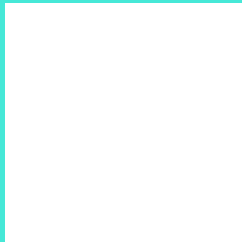
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 45.117, 184.852

Background



This preview shows how black text looks on a background with the CIELCh color 84, 45.117, 184.852.

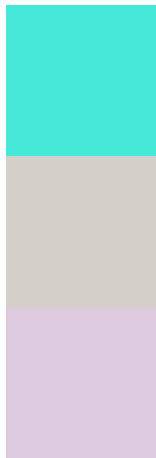


This preview shows how white text looks on a background with the CIELCh color 84, 45.117, 184.852.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

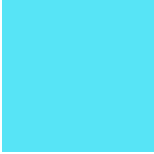
84, 45.117, 184.852

Protanopia

83, 3.837, 74.638

Deuteranopia

83, 12.624, 323.543

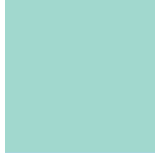


Tritanopia
84, 37.915, 211.759

Trichromacy



Original Color
84, 45.117, 184.852



Protanomaly
82, 19.713, 182.366



Deuteranomaly
82, 16.053, 211.798

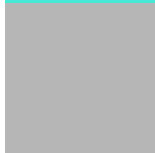


Tritanomaly
84, 39.707, 200.687

Monochromacy



Original Color
84, 45.117, 184.852



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 20.422, 188.737

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 45.117, 184.852 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(70, 232, 215)` looks like.

```
.text, #text, p{  
    color:rgb(70, 232, 215)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(70, 232, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 232, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 45.117, 184.852 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(70, 232, 215) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(70, 232, 215) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(70, 232, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 232, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 232, 215);  
box-shadow:4px 4px 4px 4px rgb(70, 232,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 45.117, 184.852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 232, 215) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(70, 232,  
215) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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